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Rare b-decays and tests of lepton flavour universality at LHCb

Flavour-changing neutral-current decays are loop-suppressed in the SM and are thus an ideal laboratory to look for contributions from new heavy particles and/or new interactions beyond the SM. At LHCb tensions are observed in measurements of branching fractions and angular observables for rare semileptonic decays, as well as in lepton flavour universality tests. I will review the current experimental status and prospects.

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